

SOV/124-57-8-9180

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 87 (USSR)

AUTHORS: Broydo, A. G., Gorobey, V. N., Dyuzheva, O. G., Kalugina, M. A., Pazgalova, E. A.

TITLE: Some Peculiarities of the Vertical Temperature Distribution in the Lowest Portion of the Atmospheric Surface Layer (Nekotoryye osobennosti vertikal'nogo raspredeleniya temperatury v nizhney chasti prizemnogo sloya atmosfery)

PERIODICAL: Tr. Leningr. gidrometeorol. in-ta, 1956, Nr 5-6, pp 268-284

ABSTRACT: An examination of the laws governing the temperature distribution in the lowest layer of the atmosphere (0-200 cm). The temperature profile is characterized by the "curvature parameter"

$$b = \frac{t_0 - t_{50}}{t_0 - t_{200}}$$

Card 1/2 introduced by the authors. This parameter indicates just what part

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Some Peculiarities of the Vertical Temperature Distribution (cont.)

of the temperature variation in the 0-200 cm layer is attributable to its lowest 0-50 cm portion. The authors attempt to employ the parameter  $b$  to characterize the temperature profile of the surface layer in terms of the data from network observations ( $t_{200}$  data) alone. During the summer season the parameter  $b$  is significant during the day and is noticeably smaller in the late-evening and the early-morning hours, and increases somewhat at night as compared with evening. A distinct relationship of the quantity  $b/u_1$  ( $u_1$  is the wind velocity at the 1 m level) and the stability parameter  $y=(t_0-t_{200})/u_1^2$  is found.

A. Kh. Khragan.

Card 2/2

ZAVARINA, M.V.; DYUZHEVA, O.G.

Horizontal extent of clouds in the Arctic. Probl.Arkt. no.6:  
71-80 '59. (MIRA 13:6)

1. Leningradskiy gidrometeorologicheskiy institut.  
(Arctic regions--Clouds)

DYUZHEVA, Ye B.; BUKHMAN, S.P.

Reduction of trivalent arsenic on amalgam cathodes. Trudy Inst.  
khim. nauk AN Kazakh.SSR 12:78-88 '64.

Electrolytic reduction of trivalent arsenic on a mercury cathode  
in the presence of copper ions. Ibid.:85-98

(MIRA 18:2)

MELEKHINA, V.P.; Prinimali uchastiye: DYUZHEVA, Yu.V., khimik; AGISHEVA, A.S., khimik; KUKAINA, V.P., khimik; KOSENKOVA, A.M., khimik

Materials for setting up a sanitary protective zone for Klin  
Thermometer Manufacturing Factory. Uch. zap. Mosk. nauch.-issl.  
inst. san. i gig. no.6: 41-44 '60. (MIRA 14:10)

1. Klinskaya sanitarnaya epidemiologicheskaya stantsiya (for Agisheva).
  2. Moskovskaya oblastnaya sanitarnaya epidemiologicheskaya stantsiya (for Kukaina, Kosenkova).
  3. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni F.F.Erismana (for Dyuzheva).
- (KLIN--AIR--POLLUTION) (MERCURY--TOXICOLOGY)

DYUZHEVA, Yu.V.

Determination of fatty carboxylic acids in air. Uch.zap.Mosk.nauch.-  
issl.inst.san.i gig. no.5:17-26 '60. (MIRA 15:3)  
(Air--Analysis) (Acids, Fatty)

DUBROVSKAYA, F.I.; DYUZHEVA, Yu.V.; KATSENELEENBAUM, M.S.; YUSHKO, Ya.K.;  
KOROLEVA, V.A.; BULICHEV, G.V.

Discharge into the atmosphere of wastes from the production of  
synthetic fatty acids and their effect on public health. Uch.  
zap. Mosk. nauch.-issl. inst. san. i gig. no.983-66 '61.

(MIRA 16:11)

\*

DYUZHNIKOV, A. T.

Dyuzhnikov, A. T.

"The Systematics and Ecology of Black-Back Herring." Saratov State U.  
imeni N. G. Chernyshevskiy. Saratov, 1955.  
(Dissertation for the degree of Candidate in Biological Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955



DYUZHNIKOV, A.T.

Results of three-year observations on fishes in the afterbay of the  
Volga Hydroelectric Power Station. Vop. ikht. 1 no. 1:69-78 '61.  
(MIRA 14:5)

1. Saratovskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'-  
skogo instituta ozernogo i rechnogo rybnogo khozyaystva.  
(Volga Hydroelectric Power Station region --Fishes)

DYUZHNIKOV, A.T.

Abundance and stock structure of migratory fishes of the Volga River as a reflection of the size and characteristics of their range. Vop. ekol. 5:58-59 '62. (MIRA 16:6)

1. Otdeleniye Gosudarstvennogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva, Saratov.  
(Volga River--Fish populations)

DYUBININOV, A.T.; SEREDNYAKOVA, Ye.V.

Some characteristics of the ecology and the duration of the sex  
cycle in sturgeons of the Volga River. Trudy VNIRO 56:105-115  
'62. (MIRA 18:4)

1. Saratovskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'-  
skogo instituta ozernogo i rechnogo rybnogo khozyaystva.

DYUZHEN, A.T.; LIFANOV, I.I.

Automatic recording of the elongations of a tested specimen using  
dilatometers with P.G.Strelkov's kinematics. Izv.tekh. no.6:11-13  
Je '65. (MIRA 18:8)

L 35888-66

ACC NR: AP6010876

SOURCE CODE: UR/0115/66/000/002/0084/0085

AUTHOR: Dyuzhin, A. T.; Pavlov, Ye. P.

ORG: none

TITLE: Two-channel precision temperature regulator for plants having high thermal inertia

SOURCE: Izmeritel'naya tekhnika, no. 2, 1966, 84-85

TOPIC TAGS: temperature regulator, automatic temperature control

ABSTRACT: An automatic system with static and astatic control channels is suggested for temperature regulation within 12-300K. The error signal proportional to the temperature difference derived from a differential thermocouple is applied to a d-c amplifier (see figure). The amplified signal is 50-cps modulated, further amplified, and is forked into separate static and astatic channels; later,

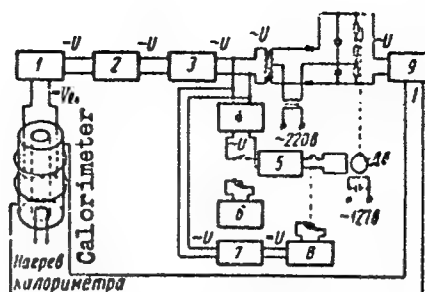
Card 1/2

UDC: 62-533.6

L 35888-66

ACC NR: AP6010876

the signals are summed in the control element. An experimental model is claimed to have maintained the temperature, within the entire 12-300K range, with an error of 0.001K or better; heating currents, up to 500 ma. Orig. art. has: 3 figures and 1 formula.



Static-and-astatic temperature regulator:

- 1 - photo-amplifier, 2 - modulator,
- 3 - amplifier, 4 - amplifier, 5 - power amplifier, 6 - relay stabilization,
- 7 - peak detector with level clamping,
- 8 - astatic-channel turn-on relay,
- 9 - output stage.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 2/2

ДЮДЬНИКОВ Л. Я.

Результаты работы

ZHARIKOV, V.A.; DYUZHKOVA, T.N.; MAKSAKOVA, E.M.

Experimental and theoretical studies of the filtration effect.

Report No.1: Different filtration rate of cations and anions.

Izv. AN SSSR. Ser.geol. 27 no.1:41-65 Ja '62. (MIRA 15:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii  
i geokhimii AN SSSR, Moskva.

(Mineralogical chemistry)



ZHARIKOV, V.A.; DYUZHNIKOVA, T.N.; MAKSAKOVA, E.M.

Flow effect in electrolytic solutions. Izv. AN SSSR. Ser.  
geol. 28 no.10:81-91 0 '63. (MIRA 16:11)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimii AN SSSR, Moskva.

GOR, Yu.G.; DYUZHKOVA, Ye.Ye.; LOBANOVA, O.V.; SFEDYKH, Yu.N.

Some data on the biostratigraphy of Upper Paleozoic coal-  
bearing sediments in the Talnakh deposit. Uch. zap. NIIGA.  
Reg. geol. no.4:116-122 '64. (MIRA 18:12)

DYUZHIN, A.T.; ZAKS, L.M.

Automation in metrology. Izv. tekhn. no.12:3-5 D '64.

(MIRA 18:4)

106274-67

ACC NR: AP6025081

SOURCE CODE: UR/0115/66/000/006/0093/0094

AUTHOR: Dyuzhin, A. T.; Simonov, V. M.

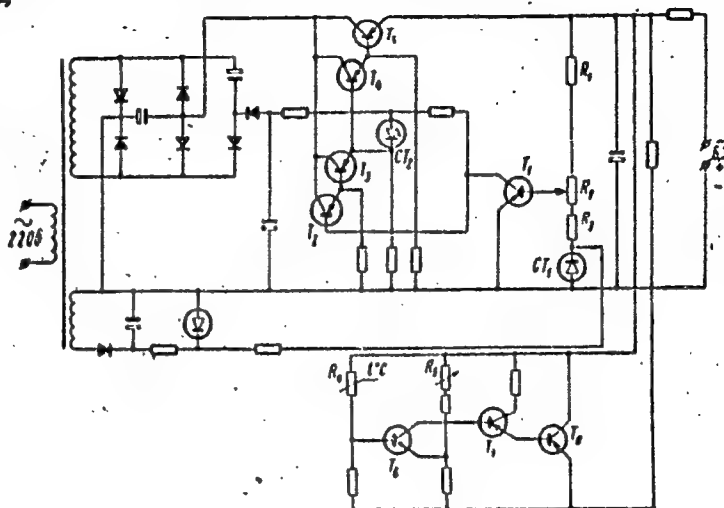
ORG: none

TITLE: Semiconductor voltage stabilizer with a built-in thermostat

SOURCE: Izmeritel'naya tekhnika, no. 6, 1966, 93-94

TOPIC TAGS: voltage stabilizer, semiconductor device

ABSTRACT: A voltage stabilizer (see figure) is briefly described in which the reference voltage source and first three feedback-amplifier stages are thermostated ( $T_1, T_2, T_3, CT_1, CT_2, T_6, T_7, T_8$ ). Transistor  $T_8$  supplies the heat. In the 30--50°C range, the thermostat working temperature keeps within  $\pm 0.5^\circ\text{C}$ . Ambient temperature, 0--35°C. The thermostat temperature is



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UDC:621.3.032:621.316.722.1.08

L 06274-67

ACC NR: AP6025081

set at 5--15C higher than the ambient. The stabilizer characteristics are: output voltage, 6.3 v; maximum load current, 3 amp; ripple, 1 mv; output voltage instability,  $\pm 0.00\%$  when the supply voltage varies within  $\pm 10\%$ ; output voltage drift, 0.00% in 10 minutes. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 2/2 *efh*

PROCEDURE AND PROPERTIES INDEX									
<p>4311. EFFECT OF WEATHER ON DRYING OF PEAT SODS. Byushin, V. I.,            (Torfyanaya Promyshlennost (Peat Industry.), Mar. 1947, <u>24</u>, No. 3,            16-19, Chem. Zbl. 1947, <u>1</u>, 768).</p> <p>The seasonal effect of weather on peat drying was found to be greatest            on the peat pulp in the vats, the loss of moisture in the case being            4.3% before settling, 1.5% after settling and .25% in the conveyors,            calculated on the basis of weather coefficients and dates. 62 to 63            weather coefficients are required to reduce the original moisture con-            tent of 96/7% to 40% in the finished peat. The minimum weather coeff-            icient for drying is .5%, below this the peat will not dry.</p>									
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>									
<p>100000 01 100000 01 100000 01 100000 01 100000 01 100000 01 100000 01 100000 01 100000 01 100000 01</p>									

DYUZHIN, V. I.

32510. Dyuzhin, V. I. Ratsionalizatsiya na torfогredpriyatiyakh Yaroslavskogo torfotresta. Torf. prom-st', 1949, No. 10, s. 16-17.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44

Dyachenko V.I.

F

A

3563. WORK OF COMPLEX MACHINES (OR GROUP) IN FELT CUTTING.  
Dyachenko, V.I. (Mekhanizatsiya trud. i byashel. rabot (Mechanization of  
Arduous Work), Mar. 1951, 39-42).



*DYUZHIN, V. I.*

DYUZHIN, ENG. V. I.

Peat Industry

Work of the tree-stump cranes of the hydropeat excavator KPG-2.  
Torf. prom. 30 no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

RECEIVED  
DIVISION OF HYDROGRAPHY  
NAVY DEPARTMENT  
WASHINGTON, D.C.  
JAN 10 1964  
OFFICE OF THE CHIEF OF BUREAU  
NAVY DEPARTMENT  
WASHINGTON, D.C.

DYUZHN, V. I., Inzh.

Some results of the reorganization of management of the peat industry  
in the Yaroslav Economic Region. Torf. prom 35 no.7:5-6 '58. (MIRA 11:11)

1. Yaroslavskiy sovkarkhoz.  
(Yaroslav Province--Peat industry)

DYUZHIN, V.I., inzh.

New equipment in peat enterprises of the Yaroslavl Economic  
Council. Torf. prom. 38 no.5:5-8 '61. (MIRA 14:10)

1. Yaroslavskiy sovnarkhoz.  
(Yaroslavl Province---Peat machinery)

DYUZHIN, V.

Conference on lowering the production costs of milled peat. .  
Torf. prom. 38 no.6:37 '61. (MIRA 14:9)  
(Peat--Costs)

DYUZHIN, V.I., inzh.

Performance of pneumatic combines during the 1962 season.  
Torf. prom. 40 no.2:10-12 '63. (MIRA 16:4)

(Yaroslavl—Peat machinery)

BELOSHAPKO, P.A., prof. [deceased]; MARTYNISHIN, M.Ya.; DYUZHINOVA, V.M.;  
IGNATOVA, V.D.; POTSELUYEVA, S.I.; TOLSTOVA, M.I.

Features of the course and management of labor in breech  
presentation. Akush.i gin. 36 no.5:28-34 3-0 '60.

(MIRA 13:11)

1. Iz Instituta akusherstva i ginekologii (dir. - chlen-korres-  
pondent AMN SSSR prof. P.A. Beloshapko [deceased]) AMN SSSR.  
(LABOR (OBSTETRICS))

HADOWSKI, Wladyslaw; DYWONIAK, Wladyslaw, inz.; SKOWRON, Eugeniusz,  
inz.

New reserves in the manufacture of tools for screw threads by  
means of stamping. Przegl mech 20 no.19/20:627-630 '61.

1. Wytownia Sprzetu Komunikacyjnego, Debica.



BOROKHOVICH, I.I.; DYZHINA, L.I.

Postwar housing construction in Rostov-on-Don. Gig. i san. 21 no.9:  
65-66 S '56. (MLRA 9:10)

1. Iz Rostovskoy-na-Donu gorodskoy sanitarno-epidemiologicheskoy  
stantsii i kafedry kommunal'noy gigiyeny Rostovskogo meditsinskogo  
instituta.

(HOUSING

in Russia, post-war constructions)

BRUHL, Włodzimierz; DYZNAROWSKA, Helena

Familial appearance of Paget's disease. Reum. pol. 4:107-112 '61.

1. Z Instytutu Reumatologii w Warszawie-Dyrektor: prof. dr E. Reicher.  
(OSTEITIS DEFORMANS)

1955-1956

1. The effect of streptomycin on the growth of *Staphylococcus aureus* in the presence of vitamin B<sub>12</sub>. Antibiotiki 10 no. 2351-820 S 1955. (1955 1245)

2. The effect of streptomycin on the growth of *Staphylococcus aureus* in the presence of vitamin B<sub>12</sub>. Antibiotiki 10 no. 2351-820 S 1955. (1955 1245)

Z/056/62/019/007/002/CAF  
1037/1237

AUTHOR: Džabadari, A. V.

TITLE: URM-1 equipment for transradiation of welds and casts by gamma rays from Iridium 192 and Europium 152 and 154

PERIODICAL: Přehled technické a hospodářské literatury. Hutnictví a strojírenství v. 19. no. 7, 402, abstract HS62-5105 (1961 Moskva: Gostoptechizdat STK II-182721a)

TEXT: Headline from the journal (p. 108-110). "Radioactive isotopes and nuclear radiations in the national economy. USSR. III" There are 4 figures.

[Abstracter's note: Complete translation.]

✓

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ZVONKOV, V.V., prof.; FOMKINSKIY, L.I., inzh.. Prinimali uchastiye:  
STHUNNIKOVA, V.P., inzh.; POKROVSKAYA, I.K., inzh.; DZADZAMIYA,  
L.A., tekhnik; SHAPOSHNIKOV, Ye.M., inzh.. KHOBOTOV, Yu.A.,  
red.; BOBROVA, V.A., tekhn.red.

[Ship tractive and propulsive speed calculations; a proposed  
guide] Sudovye tlagovye i skorostnye raschety; proekt ruko-  
vodstva. Moskva, Izd-vo "Rechnoi transport," 1959. 213 p.  
(MIRA 13:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Zvonkov).
2. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i  
ekspluatatsii vodnogo transporta (for Shaposhnikov).  
(Towing) (Ship propulsion)

DZAGANIYA, Ye. P.

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PHASE I BOOK EXPLOITATION

SOV/5526

Vsesoyuznoye soveshchaniye po magnitnoy strukture ferromagnetikov, Krasnoyarsk, 1958.

Magnitnaya struktura ferromagnetikov; materialy Vsesoyuznogo soveshchaniya, 10 - 16 iyunya 1958 g., Krasnoyarsk (Magnetic Structure of Ferromagnetic Substances; Materials of the All-Union Conference on the Magnetic Structure of Ferromagnetic Substances, Held in Krasnoyarsk 10 - 16 June, 1958) Novosibirsk, Izd-vo Sibirskogo otd. AN SSSR, 1960. 249 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut fiziki Sibirskogo otdeleniya. Komissiya po magnetizmu pri Institute fiziki metallov OIMN.

Resp. Ed.: L. V. Kirenskiy, Doctor of Physical and Mathematical Sciences; Ed.: R. L. Dudnik; Tech. Ed.: A. F. Mazurova.

PURPOSE: This collection of articles is intended for researchers in ferromagnetism and for metal scientists.

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Magnetic Structure (Cont.)

SOV/5526

COVERAGE: The collection contains 38 scientific articles presented at the All-Union Conference on the Magnetic Structure of Ferromagnetic Substances, held in Krasnoyarsk in June 1958. The material contains data on the magnetic structure of ferromagnetic materials and on the dynamics of the structure in relation to magnetic field changes, elastic stresses, and temperature. According to the Foreword the study of ferromagnetic materials had a successful beginning in the Soviet Union in the 1930's, was subsequently discontinued for many years, and was resumed in the 1950's. No personalities are mentioned. References accompany individual articles.

TABLE OF CONTENTS:

Foreword	3
Shur, Ya. S. [Institut fiziki metallov AN SSSR - Institute of Physics of Metals, AS USSR, Sverdlovsk]. On the Magnetic Structure of Ferromagnetic Substances	5
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Magnetic Structure (Cont.)	SOV/5526	
Electric Resistance of Iron at Low Temperatures		73
Kaganov, M. I. [Physicotechnical Institute AS UkrSSR, Khar'kov]. Influence of the Hall Effect on the Resistance of Ferromagnetic Substances		79
Krinchik, G. S. [Physics Department of the Moscow State University]. Structure of the Domain Boundary and Dynamic Properties of Ferromagnetic Substances		85
Telesnin, R. V., and Ye. P. Dzaganiya [Physics Department of the Moscow State University]. On the Delayed Jumps in Magnetization		91
Ivlev, V. P., and V. M. Rudyak [Pedagogicheskii Institut - Teachers Institute, Krasnoyarsk]. Statistical Distribution of Remagnetization Jumps by Magnitudes		101
Rodichev, A. M., V. A. Ignatchenko, and N. M. Salanskiy [Institute of Physics, Siberian Branch AS USSR, Krasnoyarsk].		
Card 6/11		



24,2200 (1035,1160,1162)

86278  
S/188/60/000/005/007/010  
B019/B056

AUTHORS: Teleanin, R. V., Dzaganina, Ye. P., Kozlov, V. I.

TITLE: Delayed Jumps of the Intensity of Magnetization

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya 3, fizika,  
astronomiya, 1960, No. 5, pp. 60 - 67

TEXT: The authors investigated the delayed jumps of intensity of magnetization of iron-nickel alloys with 50% nickel. The thickness of the samples was 5 - 100 microns. By delayed jumps of magnetization, the authors understand Barkhausen jumps, which occur some time after the change in the external magnetic field. The samples were produced according to the production rules of the TsNIChYeRMYeT. As may be seen from the results shown in diagrams, the ranges of the field strength in which Barkhausen jumps occur, are extended with increasing coercive force of the sample. A decrease or an increase of the field strength shifts the distribution curve of the Barkhausen jumps into the range of stronger or weaker fields. Further, a temperature dependence of the total number was observed. The occurrence of two maxima in the curve representing the

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Delayed Jumps of the Intensity of  
Magnetization

<sup>86278</sup>  
S/188/60/000/005/007/010  
B019/B056

number of jumps as a function of the external field strength, indicates the existence of several magnetic phases with different coercive forces. In the case of fields near coercive force, the relation

$N = N_0(1-e)^{-t/\tau}$  (1) exists for the number of delayed jumps and  $\tau = 10$  sec holds for 5 micron,  $\tau = 4$  sec for 100 micron, and  $\tau = 0.8$  sec for 20-micron samples. There is therefore an optimal thickness for a minimal  $\tau$ . Further, it was found that for each sample a certain temperature exists, at which a maximum of delayed jumps occurs. There are 3 figures and 4 Soviet references.

ASSOCIATION: Kafedra obshchey fiziki dlya fizikov (Department of General Physics for Physicists)

SUBMITTED: March 19, 1960

Card 2/2

DZAGANIYA, Ye.P.

Distribution of lagging magnetization jumps according to their  
duration, Fiz. met. i metalloved, 20 no.2:204-209 Ag '65.  
(MIRA 18:9)

CHUGUNOV, M.; KHOMICH, A.; KOROTAYEV, Yu.P., kand. tekhn. nauk,  
retsenzent; DZAGHIDZE, G.M., inzh., retsenzent

[Worker's handbook on the gas industry; transportation  
and utilization of natural and liquified gases] Spra-  
vochnik rabotnika gazovoi promyshlennosti; transport i  
ispol'zovanie prirodnykh i szhizhennykh gazov. Minsk,  
Nauka i tekhnika, 1965. 355 p. (MIRA 18:7)

UZAGNIDZE, I.

Personal duties of radio amateurs. Radio no.1:4 Ja '60.  
(MIRA 13:5)

1. Predsedatel' soveta Tbilisskogo radiokluba.  
(Radio clubs)

DZAGNIDZE, I. N.

Dzagnidze, I. N. "Cancer of the skin in childhood," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 170-173

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No.25, 1949).

CA

10

ADDITION OF HYDROGEN TO ACETYLENIC DERIVATIVES. Hydrogenation of the acetate of di-*p*-tolylbutynediol. A. I. Nogakelli and K. Ya. Dzagidze. *J. Gen. Chem.* (U. S. S. R.) 11, 136-9 (1941).—In order to study the effect of structure upon the rate of hydrogenation of glycols and their esters with a Pd catalyst, the authors prepd. 1,4-di-*p*-tolyl-2-butyne-1,4-diol (I) and its acetate. I was prepd. as follows: BrMgClCMgBr from 35 g. Mg and 158 g. EtBr on cooling was slowly treated with 174 g. *p*-tolualdehyde in 100 cc. dry Et<sub>2</sub>O, let stand 24 hrs., decomd. by 5% H<sub>2</sub>SO<sub>4</sub> and the diol isolated as 2 stereoisomers, with a total yield of crude product of 82.5 g. (28%). By fractional crystn. the 2 isomers were sep'd.: 20 g. m. 122-3°, sol. in Et<sub>2</sub>O, benzene, PhMe, insol. in EtOH, and 9.5 g. m. 160-70°, insol. in Et<sub>2</sub>O, EtOH, difficultly sol. in benzene, PhMe. The diacetate of the lower-melting substance was prepd. by treating 15 g. of the diol with 60 g. Ac<sub>2</sub>O and 1.1 g. anhyd. AcONa at 150-5° for 5 hrs., yielding the ester as white crystals (II), m. 76-8°. II was hydrogenated in the presence of colloidal Pd, and the rate of hydrogenation compared with that of diphenylbutynediol and its acetate. II had a lower rate than the acetate of the di-Ph diol, but a substantially higher one than the di-Ph diol itself, which hydrogenated only half as rapidly as its acetate. Upon exhaustive hydrogenation of II, more than the theoretical amt. of H was taken up, due to partial sapon. of the ester. By use of the proper amt. of H, the diacetate, m. 75-7°, of 1,4-di-*p*-tolyl-2-butyne-1,4-diol was prepd. while addn. of 4 H gave a satd. ester, m. 78.5-80.5°. The data show the small influence of mol. wt. and the great influence of esterification upon the hydrogenation rate of secondary glycols. G. M. Kosolapoff

COMMON VARIANTS NOTED

COMMON ELEMENTS

COMMON SYMBOLS

COMMON NOMENCLATURE

COMMON ABBREVIATIONS

COMMON UNITS

COMMON REFERENCES

COMMON CROSS-REFERENCES

COMMON INDEXES

COMMON SUBJECTS

COMMON AUTHORS

COMMON TITLES

COMMON PUBLISHERS

COMMON DATES

COMMON LOCATIONS

COMMON CATEGORIES

COMMON CLASSIFICATIONS

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COMMON SUFFIXES

COMMON PREFIXES

COMMON SYMBOLS

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# USSR :

Action of unsaturated organomagnesium compounds on  $\alpha,\beta$ -unsaturated ketones. A. I. Nogaideli and K. Ya. Dzagulidze (I. V. Stalin State Univ., Tiflis). Sovetskii Khim. 2, 1833-5 (1953).—To EtMgBr from 27 g. EtBr in 54 ml. Et<sub>2</sub>O was added 25 g. PhC<sub>6</sub>H<sub>5</sub> with ice cooling, followed by addn. of 30 g. benzalacetone in 100 ml. Et<sub>2</sub>O, the mixt. was stirred 5 hrs., allowed to stand 3 days at room temp., refluxed 1 hr., treated with 5% H<sub>2</sub>SO<sub>4</sub>, with ice cooling, and the combined Et<sub>2</sub>O exts. in presence of 10 g. Na<sub>2</sub>CO<sub>3</sub> were washed, yielding 31 g. 1-phenyl-1-methyl-2-penten-4-yn-3-ol, m. 60-8° (from acetone), b<sub>p</sub> 145-8°, d<sub>4</sub><sup>20</sup> 1.02261, n<sub>D</sub><sup>20</sup> 1.58134. If in the above reaction mesityl oxide 30 g. is used, there is obtained 51% 5,7-dimethyl-1,5-octadien-3-yn-3-ol, b<sub>p</sub> 74-8°, d<sub>4</sub><sup>20</sup> 0.9061, n<sub>D</sub><sup>20</sup> 1.4080.

G. M. Kosolapoff

*DZAGNIDZE, K.Ya.*

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Synthesis and hydrogenation of 2,4,7,9-tetramethyl-decyne-5-tetraol-2,4,7,9. Zhur.ob.khim. 25 no.2:304-306 F '55. (MLRA 8:6)

1. Tbilisskiy Gosudarstvennyy universitet.  
(Decynetetraol)

*Diagnidze, K. Ya.*

*Synthesis and hydration of 6-methyl-1-hepten-4-yn-3-ol*  
*and A. I. Nigmatov, K. Ya. Diagnidze and A. I. Nigmatov*  
*Chem. Abstr. 1981, 102, 121500d*

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✓ Synthesis and hydration of 6-methyl-1-hepten-4-yne-3,6-diol. A. I. Nigmatdzh, K. Ya. Dzagnidze, and N. Urduya (State Univ., Tbilisi, *Dokl. Akad. Nauk*, 25, 2215, 6 (1955).—EtMgBr from 63 g. EtBr treated with 33 g. Me<sub>2</sub>C(OH)C:CH, followed by 40 g. CH<sub>2</sub>:CHCHO gave after hydrolysis 19 g. 6-methyl-1-hepten-4-yne-3,6-diol, b<sub>p</sub> 166–7°, d<sub>4</sub><sup>20</sup> 0.8683, n<sub>D</sub><sup>20</sup> 1.4772. Hydrogenation of this over Pt in EtOH gave 2-methyl-2,5-heptanediol, b<sub>p</sub> 63–7°, d<sub>4</sub><sup>20</sup> 0.8695, n<sub>D</sub><sup>20</sup> 1.4285, also formed from hydrogenation with Pd catalyst. The 1st 4 H atoms add more rapidly than the last 2 H atoms.

G. M. Kosolapoff

DZAGNIDZE, K. YA.

79-1-24/63

AUTHORS: Nogaydeli, A. I. , Dzagnidze, K. Ya. , Papava, R.

TITLE: The Synthesis of 6-Methyloctene-1-in-4-Diole-3,6 and 7-Methyloctene-2-in-5-Diole-4,7, and Their Catalytic Hydrogenation  
(Sintez 6-metilokten-1-in-4-diola-3,6 i 7-metilokten-2-in-5-diola-4,7 i ikh kataliticheskoye gidrirovaniye)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol.28, Nr 1, pp.116-119(USSR)

ABSTRACT: In the preceding paper it was stated that the bromomagnesium derivative of dimethylacetylenylcarbinol at  $-7^{\circ}\text{C}$  normally enters into reaction with acrolein and forms eninglycol-6-methylheptene-1-in-4-diole-3,6. In the presence of colloidal palladium this glycol energetically binds 4 hydrogen atoms, the binding of the last two hydrogen atoms taking place more slowly. It was of interest to synthesize other homologues of the given class as well and to examine their type of hydrogenation in the presence of catalysts. 6-methyl-1-in-4-diole-3,6 (formula I) was obtained according to Jotsich, Zh.I. from methyl-ethyl-acetylenylcarbinol and acrolein. A closer examination of the hydrogenation showed that in the presence of

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79-1-24/63  
The Synthesis of 6-Methyloctene-1-in-4-Diole-3,6 and 7-Methyloctene-2-in-5-Diole-4,7, and Their Catalytic Hydrogenation

platinum black their reaction velocity decreases and that after the binding of the two or four hydrogen atoms no change manifests itself. In the presence of palladium, however, eninglycol reacts like the first homologues by more energetically binding the first four hydrogen atoms, whereupon the sudden change takes place, i.e. the last two hydrogen atoms are bound considerably more slowly. The final product represents a mobile fat. The analysis yielded a saturated glycol, 3-methyloctandiole-3,6. A second eninglycol, 7-methyloctene-2-in-5-diole-4,7 (II) was synthesized from the crotonic aldehyde and dimethylacetylenylcarbinol. On hydrogenation of this product with colloidal palladium an abrupt decrease in the reaction velocity after the binding of two hydrogen atoms manifests itself. After treatment of the hydrogenation product a thick oil was obtained whose analysis proved to be saturated glycol-2-methyloctandiole-2,5. There are 2 tables, and 1 reference, which is Slavic.

Card 2/3



79-1-24/63

The Synthesis of 6-Methyloctene-1-in-4-Diole-3,6 and 7-Methyloctene-2-in-5-Diole-4,7, and Their Catalytic Hydrogenation

ASSOCIATION: **Tbilisi State University** :  
(Tbilisskiy gosudarstvennyy universitet)

SUBMITTED: February 18, 1957

AVAILABLE: Library of Congress

Card 3/3      1. Chemistry   2. Catalytic properties   3. Hydrogenation

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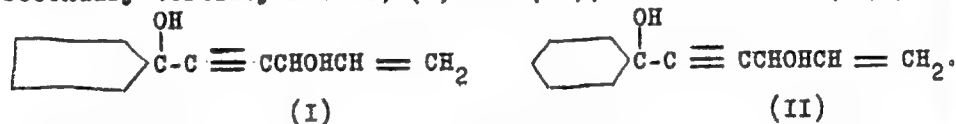
SOV/79-29-4-42/77

AUTHORS: Nogaydeli, A. I., Dzagnidze, K. Ya, Pagava, T., Kverenchkhiladze

TITLE: Investigation of Mixed Ethylene-acetylene-γ-glycols (Issledovaniye smeshannykh etilenatsetilenovykh-γ-glikoley). Synthesis and Catalytic Hydrogenation of 5-(1-Oxycyclopentyl)-penten-1-in-4-ol-3 and 5-(1-Oxycyclohexyl)-penten-1-in-4-ol-3 (Sintez i kataliticheskoye gidrirovaniye 5-(1-oksitsiklopentil)-penten-1-in-4-ola-3 i 5-(1-oksitsiklogeksil)-penten-1-in-4-ola-3)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1231-1233 (USSR)

ABSTRACT: In continuation of their previous work (Ref 1) the authors investigated the reaction of acrolein with cyclopentanol- and cyclohexanol-magnesium-bromo-acetylenes as well as the nature of the catalytic hydrogenation of the eninglycols obtained. Normal reaction products, namely, the ethylene-acetyl glycols of secondary-tertiary nature, (I) and (II), were obtained (50% yield).



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The eninglycols mentioned are hydrogenated in the presence of

SOV/79-29-4-42/77

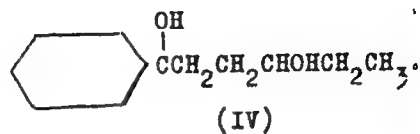
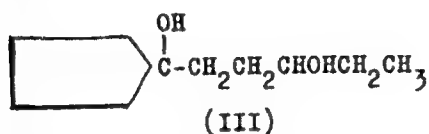
Investigation of Mixed Ethylene-acetylene- $\gamma$ -glycols. Synthesis and Catalytic Hydrogenation of 5-(1-Oxycyclopentyl)-penten-1-in-4-ol-3 and 5-(1-Oxycyclohexyl)-penten-1-in-4-ol-3

platinum black without a break in the reaction rate, each of them affiliating 6 hydrogen atoms while the corresponding saturated  $\gamma$ -glycols are formed. The hydrogenation, however, takes place much faster in the presence of colloidal palladium, the eninglycols intensely affiliating 4 hydrogen atoms, whereupon the reaction rate drops sharply and the remaining two hydrogen atoms are absorbed much more slowly, which is confirmed by a comparison with the time required for the affiliation of hydrogen in the case of (I) and (II). For instance, the nature of hydrogenation of eninglycols with cyclic radicals is similar to that of eninglycols with open chains, even though the weighting of the radical retards the hydrogenation reaction as soon as the 4 hydrogen atoms have been affiliated. The products of the complete hydrogenation with the catalysts mentioned above are compounds (III) and (IV):

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Investigation of Mixed Ethylene-acetylene- $\gamma$ -glycols. Synthesis and Catalytic Hydrogenation of 5-(1-Oxycyclopentyl)-penten-1-in-4-ol-3 and 5-(1-Oxycyclohexyl)-penten-1-in-4-ol-3



There are 2 tables and 1 Soviet reference.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED: March 25, 1958

Card 3/3

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1. Tiflis. Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya goroda Tbilisi (for Kakuriya). (Tiflis--Statistics)

IZAGNIDZE, O.P.

Representation of measurable functions of two variables by  
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1. Tbilisskiy gosudarstvennyy universitet. Submitted October 4,  
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DZAGNEDZE, O.F.

Universal double series. Soob. AN Gruz. SSR 34 no.3:525-528  
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1. Tbilisskiy gosudarstvennyy universitet. Submitted October 2,  
1963.

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USSR/Plant Diseases. Diseases of Cultivated Plants

0-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91985

Author : Tsakadze T.A., Dzagnidze Sh.I.

Inst : Institute of Plant Protection AS Georgian SSR

Title : Data on the Study of Diseases in Fruit Bearing Plant Seedlings

Orig Pub : Tr. In-ta zashchity rast. AN GruzSSR, 1957, 12, 39-48

Abstract : The following infections were noted on seedlings. On pear seedlings *Dothiorella pyrenophora* Sacc., *Alternaria* sp., *Rhizoctonia bataticola* (Frub.) Butl. were recorded. On the apple seedlings - *Phoma mali* Schulz et Sacc., *Macrophoma* sp., *Sphaeropsis malorum* Peck. On the spricot - *Diplodia pruni* Fuckl. On the peach - *S. pannosa* Lev. var. *persicae* Woronichine, *Phomopsis* sp., *Cytospora leucostoma* Sacc., *Bacterium tumefaciens* on the stems. On sweet cherry - *Rosellinis necatrix* Berlese. *Phomopsis* on peach, *Rh. bataticola*, *Alternaria*, *Dothiorella* on pear, *Macrophoma* on pear and apple are recorded for the first time in Georgia. -- G.M. D'yakova

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Hemorrhagic fever with nephritic syndrome in the Upper Volga Basin.  
Vop.virus. 1 no.4:26-30 J1-Ag '56. (MLRA 10:1)

1. Institut po izucheniyu poliomiellita AMN SSSR, Moskva.  
(EPIDEMIC HEMORRHAGIC FEVER, epidemiology,  
in Russia (Rus))

VOROSHILOVA, M.K., kandidat meditsinskikh nauk; DZAGUROV, S.G., kandidat  
meditsinskikh nauk (Moskva)

Epidemiology of poliomyelitis. Fel'd. i akush. 21 no.11:3-6 N '56.  
(POLIOMYELITIS) (MLBA 9:12)



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1. Institut po izucheniyu poliomyelita AMN SSSR, Moskva.  
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(MIRA 15:1)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR, Moskva.  
(POLIOMYELITIS)

CHUMAKOV, M.P.; VOROSHILOVA, M.K.; DROZDOV, S.G.; DZAGUROV, S.G.; LASHEVICH, V.A.; MIRONOVA, L.L.; RAL'F, N.M.; GAGARINA, A.V.; DOBROVA, I.N.; ASHMARINA, Ye.Ye.; SHIRMAN, G.A.; FLEYER, G.P.; TOL'SKAYA, Ye.A.; SOKOLOVA, I.S.; EL'BERT, L.B. (Moskva); SINYAK, K.M. (L'vov)

Some results of the work in mass immunization of the population of the Soviet Union against poliomyelitis with live vaccine from Sabin strains. Vest. AMN SSSR 16 no.4:30-43 '61. (MIRA 15:5)

1. Iz Instituta poliomyelita i virusnykh entsefalitov AMN SSSR.  
(POLIOMYELITIS VACCINE) (POLIOMYELITIS--PREVENTION)

GIUMAKOV, M.P.; VOROSILOVA, M.K.; DZAGUROV, S.G.; DROZDOV, S.G.; LASKEVICI, V.A.; MIRONOVA, L.L.

Results of investigations made in the past 4 years on the immunization of several Soviet populations with poliomyelitis live vaccine (Sabin type) administered orally. Stud. cercet. inframicrobiol. 13 no.5: 589-591 '62.

1. Institutul pentru cercetarea poliomielitei si a encefalitelor virotice al Academiei de stiinte medicale a U.R.S.S.  
(POLIOMYELITIS) (POLIOVIRUS VACCINE, ORAL)



L 12591-63

ACCESSION NR: AP3002519

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AUTHOR: Chumakov, M. P.; Voroshilova, M. K.; Dzagurov, S. G.; Drozdov, S. G.; Lashkevich, V. A.; Mironova, L. L.; Ral'f, N. M.; Sinyak, K. M.; Bartoshevich, Ye. N.; Vasil'yeva, K. A.; Gagarina, A. V.; Grachev, V. P.; Zhevandrov, V. I.; Taranova, G. P.; Koroleva, G. A.; Kukayn, R. A.; Robinzon, I. A.; Tyufanov, A. V.; El'bert, L. G.

TITLE: Results of live vaccine mass immunization against poliomyelitis and the outlook for eradicating this disease

SOURCE: AMN SSSR. Vestnik, no. 6, 1963, 5-15.

TOPIC TAGS: Poliomyelitis, immunization, vaccine, Salk, Sabin

ABSTRACT: This article is a survey of the fight against polio in the Soviet Union with special emphasis on the live vaccine mass immunization program during the past four years. In 1954 polio became a serious problem in the USSR and in 1955 the Poliomyelitis Institute was formed as part of the Academy of Medical Sciences. At first, Salk vaccine was produced (at Moscow and Sverdlovsk) and from 1957 to 1960 more than 12 million children were inoculated. Late in 1958 10 million experimental doses of the Sabin live vaccine were prepared and in

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January 1959 the Institute switched to developing live vaccine on a large scale. In 1961, when international needs for a purer live vaccine were developed, the Institute solved the problem of purifying Sabin's culture strains from admixture to latent monkey virus no. 40 (OV sub 40) by using kidney cultures from green marmosets rather than from monkeys. At the end of biocontrol, 1 M solution MgCl sub 2 was added to increase virus thermostability in transit and to avoid microbe or virus contamination. Between 1959 and 1962 the Soviet Union exported over 153 million vaccine doses (mostly in lozenge form) to 20 countries (Table 2). In the USSR 95% of all inoculations from 1960 to 1962 were in lozenge form with oral liquid vaccine given only to babies. The great advantage of live vaccine establishes local immunity at the sites of virus entry into the body. Such immunity prevents transmittal of virus by "symptomless" cases. Studies of children inoculated with live vaccine show a marked increase in the number of antibodies in all age groups and a total absence of "wild" polio virus strains in feces tests of healthy children. From 1959 to 1962 over 217,879,000 doses of live vaccine have been administered in the USSR. Of these, 91,300,000 were first inoculations and 126,579,000 were second inoculations. Fig. 3 shows a sharp decrease (almost to zero) in the incidence of polio in the USSR for 1962. The following immunization plan is recommended: immunization of trivalent (types, I, II, and III) live vaccine for children aged 2 to 12 mos for intervals of 6 to 12 weeks and annual

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oral revaccination with trivalent live vaccine for children ages 1 to 8-15 years. Revaccination can be given in two doses at intervals of 6 to 12 weeks. The number of annual revaccinations can probably be cut down eventually to 4 or 5 after the basic three vaccinations (types I, II, and III). The outlook for winning the fight against polio in the USSR is very encouraging. Orig. art. has: 3 figures, 4 tables.

ASSOCIATION: None

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OTHER: 00

Card 3/3

CHUMAKOVA, M.Ya.; CHUMAKOV, M.P.; ZAVODOVA, T.I.; DZAGUROV, S.G.

An Immunological test for demonstrating SV 40 virus. Acta virol (Praha) [Engl] 8 no.1:90-91 Ja'64.

1. Institute of Poliomyelitis and Viral Encephalitides,  
U.S.S.R. Academy of Medical Science, Moscow.

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L 33026-66 EWT(1)/T JK (N) SOURCE CODE: UR/0402/66/000/001/0096/0099  
ACC NR: AP6024120

AUTHOR: Gnuni, G. M.; Dzazurov, S. G.; Mamonenko, L. L.; Mironova, A. 29

ORG: Institute of Poliomyelitis and Viral Encephalitis, AMN SSSR, Moscow B  
(Institut poliomelita i virusnykh entsefalitov AMN SSSR)

TITLE: Method of growing tissue cultures and viruses in revolving vessels

SOURCE: Voprosy virusologii, no. 1, 1966, 96-99

TOPIC TAGS: virology, tissue physiology, medical laboratory instrument, histology

ABSTRACT: The ordinary method of growing monolayer cultures of trypsinized cells leaves some 60 to 70% of the available area of the vessel unused, thus reducing the possibility of obtaining a large quantity of the cell mass participating in the formation of virus particles. The authors designed an apparatus in which flasks or bottles with a suspension of monkey kidney cells or human diploid cells in a culture medium revolve at the rate of 20 revolutions per hour. They found that the rotation of the vessels had no effect on adherence of the cells to the surface or on their growth. The mean index of proliferation (ratio of number of cells grown to the number inoculated) was about 1, the norm for the given types of tissue. There was a marked increase in the useful area occupied by the monolayer, decrease in consumption of the culture medium, and greater concentration of poliomyelitis virus (human diploid cells). Orig. art. has: 1 figure and 5 tables. [JPRS]

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8475 16 970

D299UR009, G.S.

DZAGUROVA, T.S. (Moskva); ZAKHAROV, M.V. (Moskva); SIROTA, N.N. (Moskva)

Comparison of Young's modulus with other mechanical properties of  
aluminum alloys at various temperatures. Izv.AN SSSR.Otd.tekh.nauk  
no.2:120-122 F '57. (MLBA 10:5)  
(Aluminum alloys--Metallurgy)

DZAKHOV, S.D.

Lengthening of the leg in correcting of poliomyelitis in children.  
Ortop.travm.i protez. 20 no.8:15-19 Ag '59. (MIRA 12:11)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta  
im. G.I. Turnera (dir. - prof. M.N. Goncharova).  
(POLIOMYELITIS, complications)  
(LEG, surgery)



DZAKHOV, S. D., Cand Med Sci -- (diss) "Operative elongation of the shin in children with after-effects of poliomyelitis." Leningrad, 1960. 16 pp; (First Leningrad Medical Inst im Academician I. P. Pavlov); 300 copies; price not given; (KL, 23-60, 127)

DZAKHOV, S.D.

Method of lengthening the skin. Vest. khir. 85 no. 8:108-113 Ag '60.  
(MIRA 14:1)

(TIBIA—SURGERY) (FIBULA—SURGERY)

DZAKHOV, S. D. (Leningrad P-136, Lakhtinskaya ul., d. 10/12

Some features of the treatment of patients following surgery for  
lengthening the leg. Ortop., travm. i protez. 22 no.8:49-54  
Ag '61. (MIRA 14:12)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedi-  
cheskogo instituta im. G. I. Turnera (dir. - prof. M. N. Goncharova)

(LIG -SURGERY)

DZAKHOV, S.D., kand. med. nauk

Comparative evaluation of the methods for equalizing the  
length of the legs. Khirurgiia 39 no.5:92-98 My '63.  
(MIRA 17:1)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo  
instituta imeni G.I. Turnera (dir. - prof. M.N. Goncharova).

DZAKHOV, S.D., starshiy nauchnyy sotrudnik (Leningrad, M-190, Kubinskaya  
ul., d. 34, kv.100)

Osteoepiphysiolysis of the distal end of the tibia. Ortop., travm. i  
protez. 26 no.7:42-48 J1 '65. (MIRA 18:7)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I.Turnera (direktor:  
prof. M.N.Goncharova).

DZAKHOYEV, A. M., and YEFENDIYEV, N. M.

Azerbaijan (Kazakh) Horse, Konevodstvo 22, No 7, 1952.

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DZAKHOYEV, A. M., Cand Agri Sci -- (diss) "Methods in the Development  
of a <sup>stud type</sup> ~~Local~~ Breed of Thoroughbred Horse at Azerbaydzhan Horse-Breeding  
<sup>plant</sup> Farm 75". Kirovabad, 1958. 25 pp (Ministry of Agriculture Azerbaydshan  
SSR. Azerb. Agr<sup>u</sup>. Inst<sup>ate</sup>). 100 copies. (KL 34-56, 100)

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DZAKHOYEV, A.M., zootekhnik.

Concerning comrade N.Smirnov's article. Zhivotnovodstvo 20 no.2:  
84-86 F '58. (MIRA 11:1)

(Stock and stockbreeding)  
(Smirnov, N.)



KALININ, S., master-povar; DZAKHOYEVA, Ye., tekhnolog; TOROPOVA, V.,  
inzh.-tekhnolog

Advice to the cook. Obshchestv. pit. no.7:13-14 Jl '59.  
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1.Severo-Osetinskaya kontora Kurorttorga (for Dzakhoyeva). 2.Udmurt-  
potreboyuz (for Toropova).  
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DZALAYEV, M.I.

Gorbunov, N.A., and Dzalayev, M.I., "Improvement of the Operation of  
Electro-mechanical Auto-regulators of the TsKTI System," Elektrichis-  
kiye Stantsii, 1953, Pages 55-56, 2 figures.

DZALAYEV, M. I.

GORBUNOV, N.A., inzhener; DZALAYEV, M.I., inzhener.

Level regulator in a turbine condenser. Elek.sta. 25 no.7:55-56  
Jl '54. (MLRA 7:8)

(Condensers(Steam))

DZALAYEV, M.I., inzhener; STOLYAROV, Yu.K., inzhener.

Self-regulation of reduction and cooling installations. Elek.sta.  
25 no.12:17-18 D '54. (MLRA 7:12)  
(Steam turbines)